



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/643,604

08/18/2003

John Wallace Nasielski

030277

5063

23696 7590 04/28/2010
QUALCOMM INCORPORATED
5775 MOREHOUSE DR.
SAN DIEGO, CA 92121

EXAMINER

NGUYEN, QUYNH H

ART UNIT

PAPER NUMBER

2614

NOTIFICATION DATE

DELIVERY MODE

04/28/2010

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

us-docketing@qualcomm.com
kascanla@qualcomm.com
nanm@qualcomm.com

Office Action Summary	Application No. 10/643,604	Applicant(s) NASIELSKI ET AL.	
	Examiner QUYNH H. NGUYEN	Art Unit 2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 January 2010.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-7,9-12,15-18,20-25,27-29 and 32-39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-7,9-12,15-18,20-25,27-29 and 32-39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 103

2. Claims 1, 4-7, 9-12, 15-18, 20-25, 27-29, and 32-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ahmad et al. (2002/0082029) in view of Kleinfelter et al. (2005/0094779).

As to claims 1, 12, 23-24, and 34, Ahmad teaches a method of wireless communication comprising:

establishing a packet data session from a wireless communications device to support a network connection to a packet switched network (paragraphs [0007]; [0024]);

registering from the wireless communications device over the packet data session with a voice message server (*Internet Call -Waiting Server*) to receive the notification (paragraph [0039]);

transmitting a registration request and the registration request from the wireless communication device, over the Internet to enable the wireless communication device to receive notification including connection information identifying the wireless communications device ([0039] - *where Ahmad discussed the user of the hybrid mobile station must register over the Internet with the ICSW for the Internet call waiting notification, hence it would have been obvious that the registration request including*

connection information identifying the wireless communication device in order to the ICWS notifies the subscriber via the Internet when there is a message left from the incoming call);

receiving a notification at the wireless communications device of an incoming call from an Internet Call -Waiting Server (paragraphs [0038] - [0039]) from a circuit switch network while the network connection is active (paragraphs [0035] - [0036],[0039]).

Ahmad does not explicitly teach enabling the wireless communications device to receive a notification from the voice message server.

In the same field of endeavor, Kleinfelter teaches receiving notification in the subscriber's communication device if the subscriber is currently occupying the telephone line accessing the Internet ([0034]) from a voicemail MWI wherein the MWI proxy server receives MWI information from the MWI server and notifies the subscriber's communication device ([0015]).

Hence, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the teachings of Kleinfelter into the teachings of Ahmad for the purpose of providing notification to subscribers without the need for special software on the client's computer, as discussed by Kleinfelter ([0014]).

As to claims 4-5 and 15-16, Ahmad teaches the use of a session key and a transport control protocol session is considered to be implicit in a packet data session (paragraphs [0036] and [0038]).

As to claims 6-7, 9-11, 17-18, 20-22, and 27, Ahmad teaches terminating the packet data session in response to the notification of the incoming call, and accepting

the incoming call from the circuit switched network; receiving the notification at the wireless device and sending a reply over the packet data session from the wireless device in response to the notification (paragraphs [0011], [0036] and [0039]).

As to claim 25, Ahmad teaches receiving notification at the wireless communications device over the packet data session (paragraphs [0036] and [0038]).

As to claims 28 and 33, Ahmad teaches receiving the incoming call at a mobile switching center in the home network while the network connection is active (Fig. 3, voice call 360; [0024] - [0025]), routing a signal from the mobile switching center in the home network to the voice message server in the home network indicating that the wireless communications device is unavailable ([0027], [0037], [0059]), the receipt of the signal at the voice message server in the home network, prompting the routing of the notification of the incoming call from the voice message server in the home network to the wireless communications device ([0011], [0036] and [0039]), routing a reply from the wireless communications device to the voice message server in the home network, and signaling the mobile switching center in the serving network from the voice message server in the serving network to deliver the incoming call to the wireless communications device in response to the reply ([0006], [0009] - [0011], [0014], [0025], [0030], [0033] - [0035], [0039] - [0042]).

Claim 29 is rejected for the same reasons as discussed above with respect to claim 1. Furthermore, operating a wireless device in a serving network, the wireless device being assigned to a home network different from the serving network is known by the skilled person having assigned to a home network can be operating in visitor

networks. The communications device is operating in a serving network different from the home network is merely one of several straightforward possibilities from which the skilled person would select, in accordance with circumstances, without the exercise of inventive skill.

Claim 32 is rejected for the same reasons as discussed above with respect to claims 27, respectively and the first limitation of claim 29.

Claims 35, 36 are rejected for the same reasons as discussed above with respect to claims 24 and 28, 28 and 29, respectively.

As to claims 37-39, Ahmad teaches connection information includes an IP address assigned to the wireless communication device ([0032] - *where Ahmad discussed Internet call delivery server couple to communicate through IP network to deliver VoIP calls and relate signals, hence IP address included in the connection information*).

Response to Arguments

3. Applicant's arguments with respect to claims 1, 4-7, 9-12, 15-18, 20-25, 27-29, and 32-39 have been considered but are moot in view of the new ground(s) of rejection. Applicant's arguments are addressed in the above claims rejections.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to QUYNH H. NGUYEN whose telephone number is 571-272-7489. The examiner can normally be reached on Monday - Thursday from 6:30

Application/Control Number:
10/643,604
Art Unit: 2614

Page 6

A.M. to 5:00 P.M. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on 571-272-7488. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Quynh H Nguyen/
Primary Examiner, Art Unit 2614